U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION II
Emergency and Remedial Response Division
Program Support Branch
290 Broadway, 18th Floor
New York, New York 10007-1866

MEMORANDUM

TO: Steve Cipot - Project Manager
ERRD/NJRB

FROM: Andy Crossland - Geologist
ERRD/PSB/TST

DATE: Friday, March 23, 2000

SUBJECT: Review of the *MW-19/Hot Spot 1 Area Remedial Investigation Report*, L.E. Carpenter, Wharton, New Jersey.

In response to your request, I have reviewed the document listed above. If you have any questions concerning these comments, please feel free to call me at x4436.

The report concludes that the extent of groundwater contamination has been fully delineated. However, there delineation is week in two respects. Well MW-19-6 has been shown to contain levels of toluene and DEHP which are above the NJ groundwater criteria. No wells are present downgradient of this point and therefore the extent of contaminant migration is incompletely defined. In addition, and as has been discussed, the vertical extent of contamination has not been investigated. The possible downward migration of contaminants needs to addressed by a deeper well downgradient of the hottest area.

As a result of the above issues, it seems appropriate to drill a two well cluster on the north side of Ross Street. The attached figure shows the optimal location. The shallow well would be screened across the water table, as other wells in the area (likely with a total depth of 20 ft bgs). The deeper well could then be emplaced with the top of its screen 5 ft below the bottom of shallow well (with a screened interval from 35-25 ft bgs). Although this leaves a 5 foot gap in the vertical profile, it allows for a slightly deeper interval to be monitored.

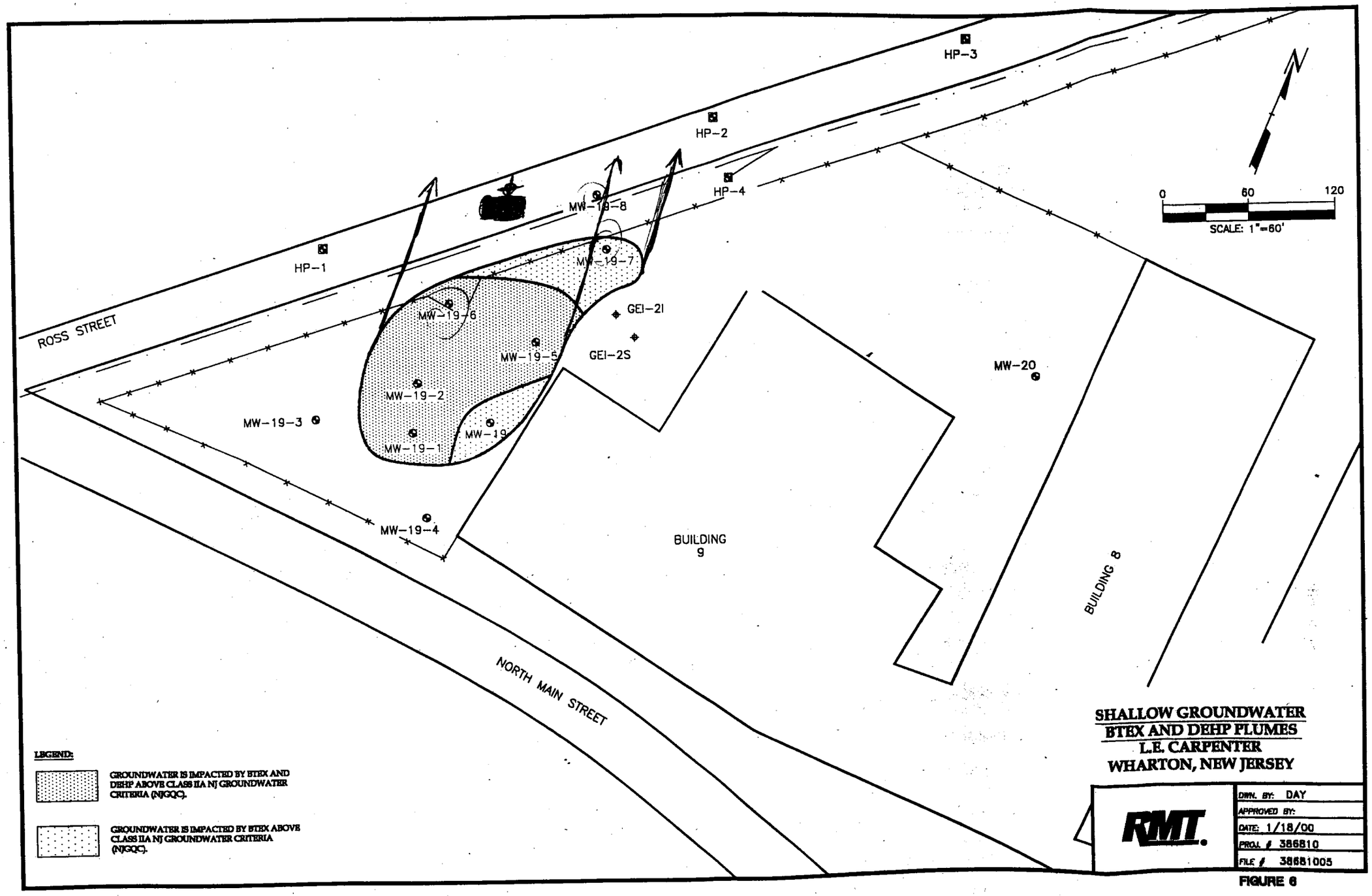
HP-3
HP-2
HP-4
HP-1
MW-19-8
MW-19-7
MW-19-6
MW-19-5
MW-19-2
MW-19-3
MW-19
MW-19-1
MW-19-4
GEI-2I
GEI-2S
MW-20
ROSS STREET
NORTH MAIN STREET
BUILDING 9
BUILDING 8
0
60
120
SCALE: 1"=60'
LEGEND:
GROUNDWATER IS IMPACTED BY BTEX AND DEHP ABOVE CLASS IIA NJ GROUNDWATER CRITERIA (NJGQC).
GROUNDWATER IS IMPACTED BY BTEX ABOVE CLASS IIA NJ GROUNDWATER CRITERIA (NJGQC).
SHALLOW GROUNDWATER
BTEX AND DEHP PLUMES
L.E. CARPENTER
WHARTON, NEW JERSEY
RMT
DWN. BY: DAY
APPROVED BY:
DATE: 1/18/00
PROJ. # 386810
FILE # 38681005

FIGURE 6